RackMount Solutions Pro

# User Manual

## 1U LCD Keyboard Drawer
15", 17", 19" screen size

**Models**
**RKP-115 / 117 / 119** Series

- With KVM options

**Models**
**S-117 / 119**

- With KVM options
- 1U 17", 19" screen size
- Designed for SUN Solaris

**Models**
**RKP-1415 / 1417 / 1419** Series

- Short depth version
- Without KVM options

# Contents


## Chapter 1 Getting Started

1.1 Important Safeguards....1
1.2 Regulatory Notice....2
1.3 Package Contents....3
1.4 Before Installation....4
1.5 Unpacking....4
1.6 Optional Accessories....4
1.7 Peripheral Products....5
1.8 Structure Diagram....5
1.9 How to Install “One Man” Installation Slides....6-7
1.10 How to Use The Slides....8
1.11 How to Use “RKP” Series LCD Keyboard Drawer....9
1.12 “S” Series (Single console)
- Use CB-6 to connect to server via USB interface....10
1.13 “S” Series (Single console)
- Use CB-6 to connect to KVM via USB interface....10
1.14 RKP Series (Single console)
- Use CE-6 to connect to server via PS/2 interface....11
1.15 RKP Series (Single console)
- Use CE-6 to connect to KVM via PS/2 interface....11
1.16 RKP Series (Single console)
- Use CE-6 to connect to server via USB interface....12
1.17 RKP Series (Single console)
- Use CE-6 to connect to KVM via USB interface....12

## Chapter 2 Operation

2.1 On-screen Display Operation....13
2.2 On-screen Menu....14

## Chapter 3 Standard Specification

3.1 Specifications....15
3.2 Keyboard & Mouse....16-17
3.3 How to Use “NS” Keyboard....18

# Contents

Chapter 4 **Optional Specification**

4.1 KVM Options.....19
4.2 DVI-D Option.....19
4.3 BNC + S-Video Option.....19
4.4 Audio Option.....20
4.5 DC power Options.....20
4.6 Touchscreen Options.....21

Chapter 5 **Troubleshooting**.....22

Chapter 6 **Dimensions**.....23

## 1.1 Important Safeguards

# Chapter 1

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

**What the warranty does not cover**

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

## 1.2 Regulatory Notice



### Legal Information

First English printing, October 2002
Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

### Safety Instructions

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the drawer is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

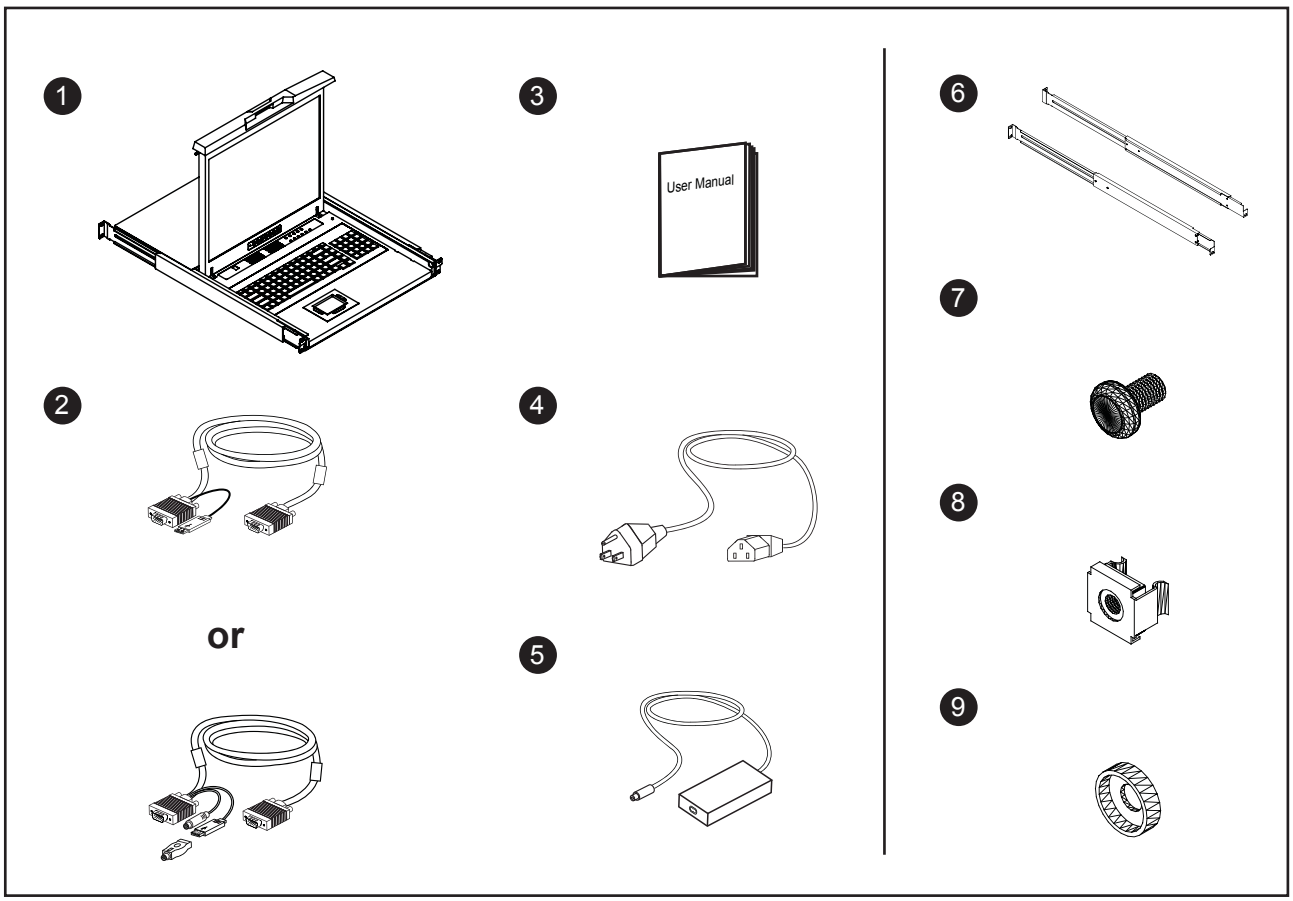
**CAUTION: Slide/rail mounted equipment is not to be used as a shelf or a work space.**

### Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

## 1.3 Package Contents




① LCD keyboard drawer x 1 pc

② **CB-6** USB 2-in-1 KVM cable x 1 pc (for "S" series) **or**
**CE-6** Combo 4-in-1 KVM cable x 1 pc (for RKP series)

③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter ( for external power version) x 1 pc

⑥ Mounting bracket x 2 pcs

⑦ M6*15mm screw x 8 pcs

⑧ M6 cage nut x 6 pcs

⑨ Cup washer x 8 pcs

## 1.4 Before Installation

- It is very important to locate the LCD Keyboard Drawer in a suitable environment.
- The surface for placing and fixing the LCD Keyboard Drawer should be stable and level or mounted into a suitable cabinet.
- Make sure the place has good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.
- Position LCD Keyboard Drawer with respect to related facilities.

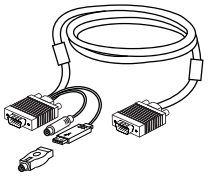
## 1.5 Unpacking

The LCD keyboard drawer comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

## 1.6 Optional Accessories

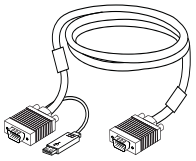
**1. Combo 4-in-1 KVM cable**

1.1 CE-6 6 feet
1.2 CE-10 10 feet
1.3 CE-15 15 feet



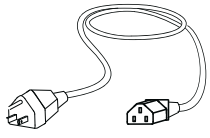
**2. USB 2-in-1 KVM cable**

2.1 CB-6 6 feet
2.2 CB-10 10 feet
2.3 CB-15 15 feet



**3. Power Cord**

3.1 IEC power cord
3.2 NEMA 5-15 power cord (US)
3.3 BS 1363 power cord (UK)
3.4 CEE 7/4 power cord (German)
3.5 AS 3112 power cord (Australia)



**Remarks :**

- CB-6 is for “S” series only.

## 1.7 Peripheral Products

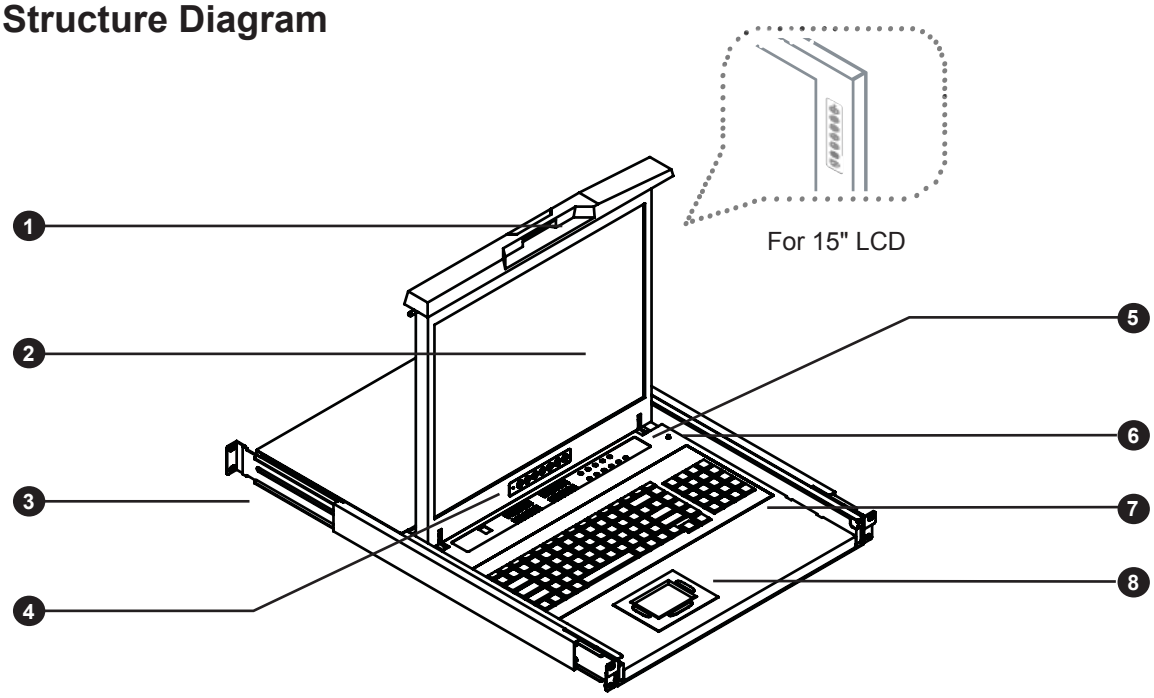


| Item | Model No. | Description |
|---|---|---|
| **Matrix Cat6 KVM** | MU-1602 / MU-1603 / MU-1604<br>MU-IP1613 / MU-IP1614 / MU-IP1624<br>MU-3202 / MU-3203 / MU-3204<br>MU-IP3213 / MU-IP3214 / MU-IP3224 | Matrix Cat6 16 port KVM<br>Matrix IP Cat6 16 port KVM<br>Matrix Cat6 32 port KVM<br>Matrix IP Cat6 32 port KVM |
| **Matrix DB-15 KVM** | M-802 / M-803 / M-804<br>M-IP813 / M-IP814 / M-IP824<br>M-1602 / M-1603 / M-1604<br>M-IP1613 / M-IP1614 / M-IP1624 | Matrix DB-15 8 port KVM<br>Matrix IP DB-15 8 port KVM<br>Matrix DB-15 16 port KVM<br>Matrix IP DB-15 16 port KVM |
| **Combo Cat6 KVM** | U-801 / U-802 / U-IP802<br>U-1601 / U-1602 / U-IP1602<br>U-3201 / U-3202 / U-IP3202 | Combo Cat6 8 port KVM<br>Combo Cat6 16 port KVM<br>Combo Cat6 32 port KVM |
| **Combo DB-15 KVM** | CV-S801 / CV-802 / IP-802<br>CV-S1601 / CV-1602 / IP-1602 | Combo DB-15 8 port KVM<br>Combo DB-15 16 port KVM |
| **PS/2 DB-15 KVM** | CV-401 / CV-801 / CV-1601 | 4 / 8 / 16 port PS/2 DB-15 KVM |

**Remarks :**

■ “S” Series is for Matrix & Combo KVM only.

## 1.8 Structure Diagram




① Carry handle to release the 2-pt lock

② LCD interchangeable module kit

③ “One Man” Installation Slides

④ LCD membrane

⑤ Membrane switch (KVM option)

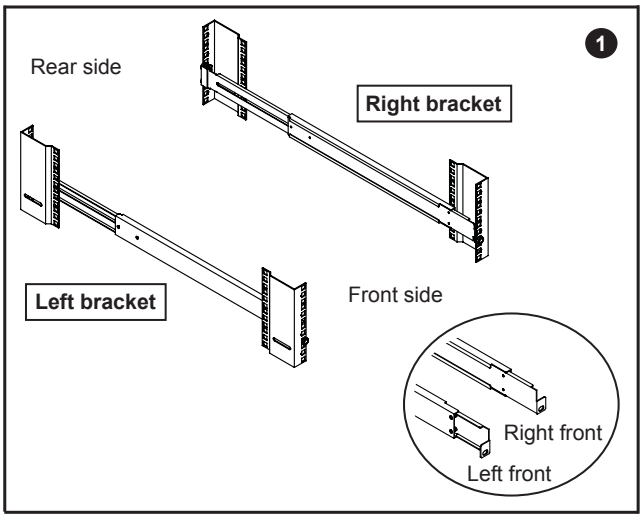
⑥ Micro switch for screen auto power off

⑦ Keyboard interchangeable module kit

⑧ Mouse interchangeable module kit

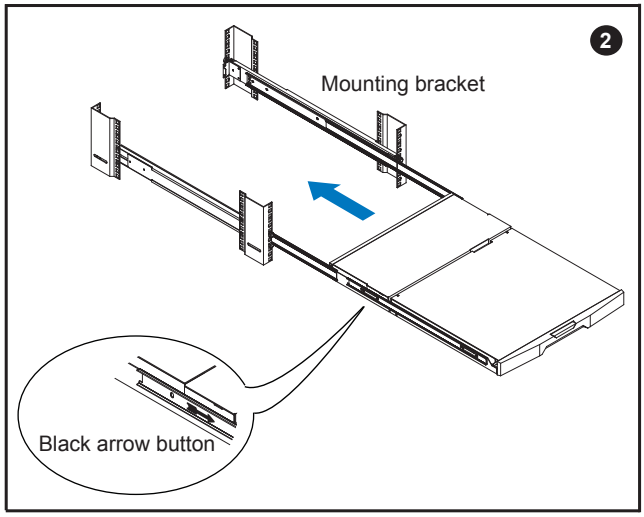
## 1.9 How to Install "One Man" Installation Slides

### Install into rack



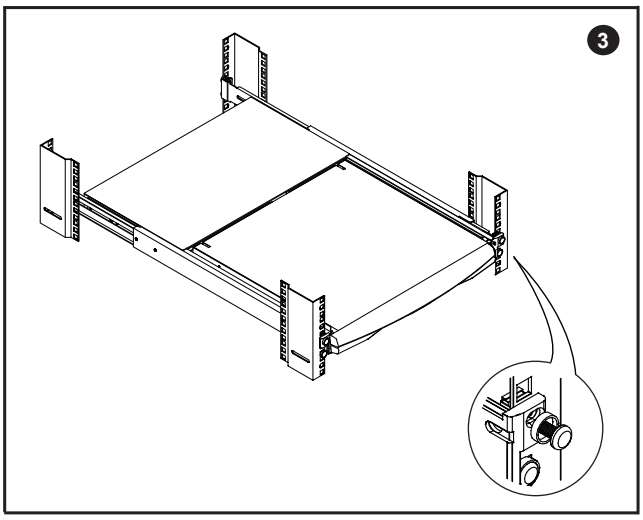

- Attach the left and right mounting bracket to rack 19” mounting rails.
- Adjust the rear mouting bracket to fit your rack.
- M6 screw and cup washer x 6 pcs included.

**Caution :** Leaving the screws slightly loose, until you complete the installation in step 4

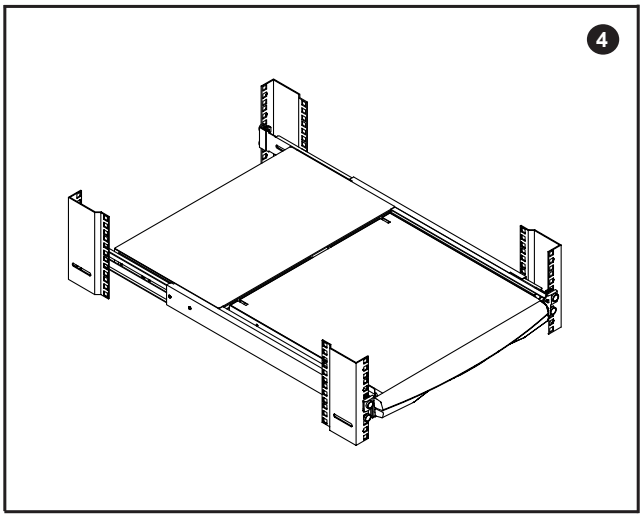



- Pick up the LCD keyboard drawer.
- Insert the LCD keyboard drawer into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD keyboard drawer to park position.

## 1.9 How to Install "One Man" Installation Slides




- Attach front left and right mounting ears of the LCD keyboard drawer to vertical mounting rails.
- M6 screw and cup washer x 2 pcs included.




**Complete the installation**

- Tighten all 8 pcs of M6 screw to complete the installation.

**Remarks :**

- NBK-01 is for RKP-115 / 117 / 119 & S-117 / 119 series only.
- NBK-02 is for RKP-1415 / 1417 / 1419 series only.
- Installation procedures of NBK-02 are same to that of NBK-01.

## 1.10 How to Use the Slides

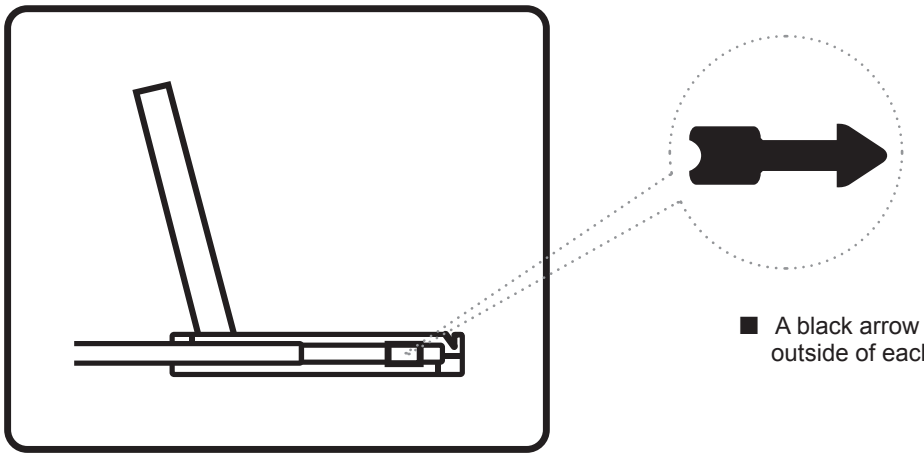


**Figure 1**.

■ A black arrow release button is located on the outside of each slide. (shown in **Figure 1)**.

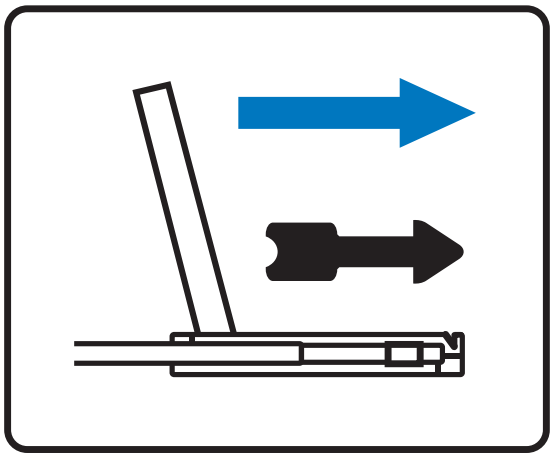


**Figure 2**.

■ Pull and hold the black arrow button on either side of the LCD keyboard drawer to unlock. (shown in **Figure 2)**.

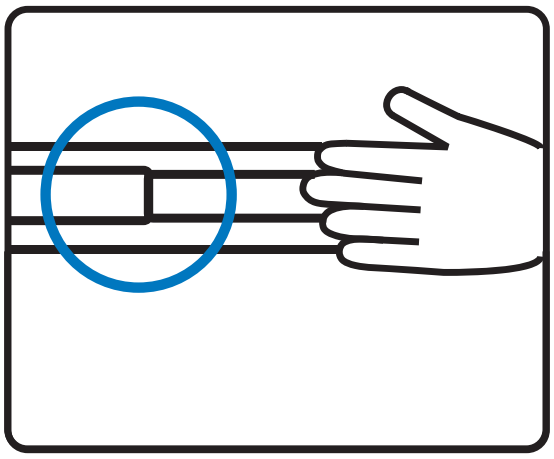


**Figure 3**.

■ Push the LCD keyboard drawer into the rack. (shown in **Figure 3)**.

**Caution :** Keep your fingers away from the slide stop

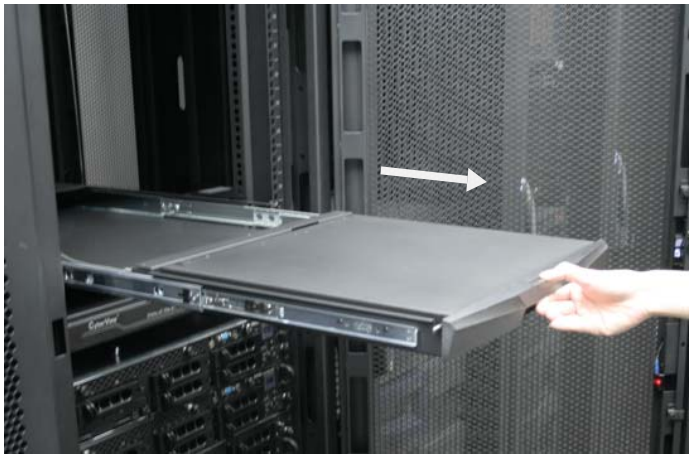


**Figure 4**. Sliding out the LCD keyboard drawer by pressing the carry handle button first.

■ Press the carry handle button. Gently pull the carry handle toward the front of the LCD shown in **Figure 4**.

**Figure 5**. Flipping up the LCD to a suitable angle.

■ Flip up the LCD to a suitable angle shown in **Figure 5**.

**Figure 6**. Operating the LCD keyboard drawer.

■ Operate the LCD keyboard drawer shown in **Figure 6.**

## 1.12 “S” Series (Single console)

### - Use CB-6 to connect to server via USB interface

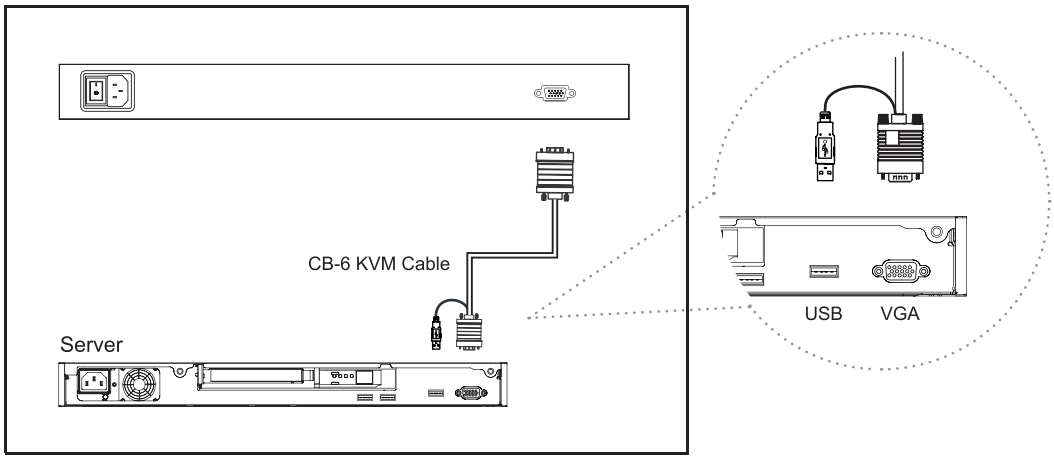



**Figure 7.** Example of connecting CB-6 2-in-1 USB KVM cable to server via USB interface

## 1.13 “S” Series (Single console)

### - Use CB-6 to connect to KVM via USB interface

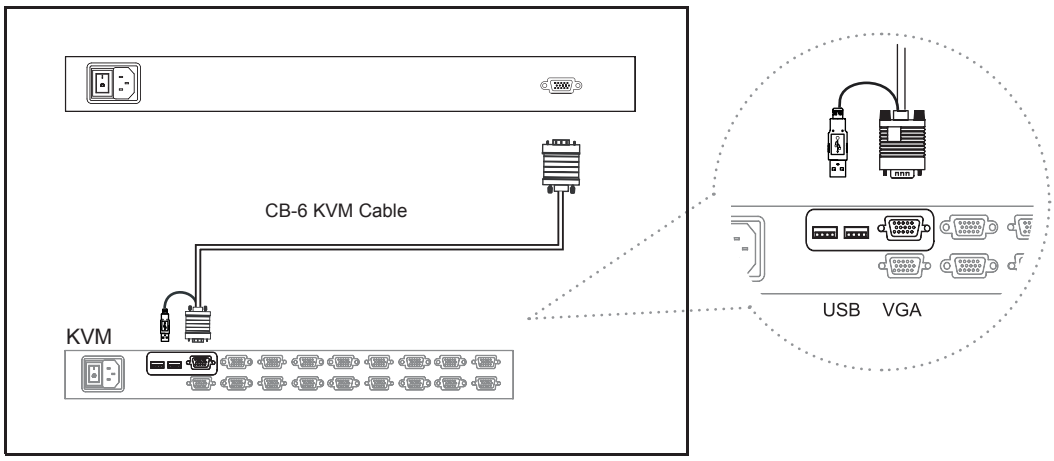



**Figure 8.** Example of connecting CB-6 2-in-1 USB KVM cable to KVM via USB interface

**Remarks :**

- The above connection is only for the LCD keyboard without KVM switch built-in.
- For the LCD keyboard drawer with KVM switch built-in, please refer to attached KVM switch user manual.

**Caution :** The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

## 1.14 RKP Series (Single console)
### - Use CE-6 to connect to server via PS/2 interface

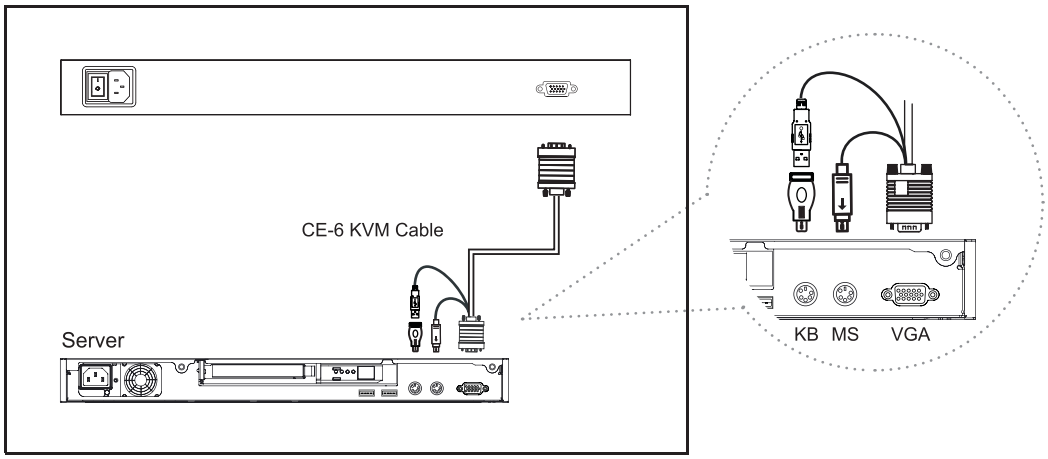



**Figure 9.** Example of connecting CE-6 4-in-1 Combo KVM cable to server via PS/2 interface

## 1.15 RKP Series (Single console)
### - Use CE-6 to connect to KVM via PS/2 interface

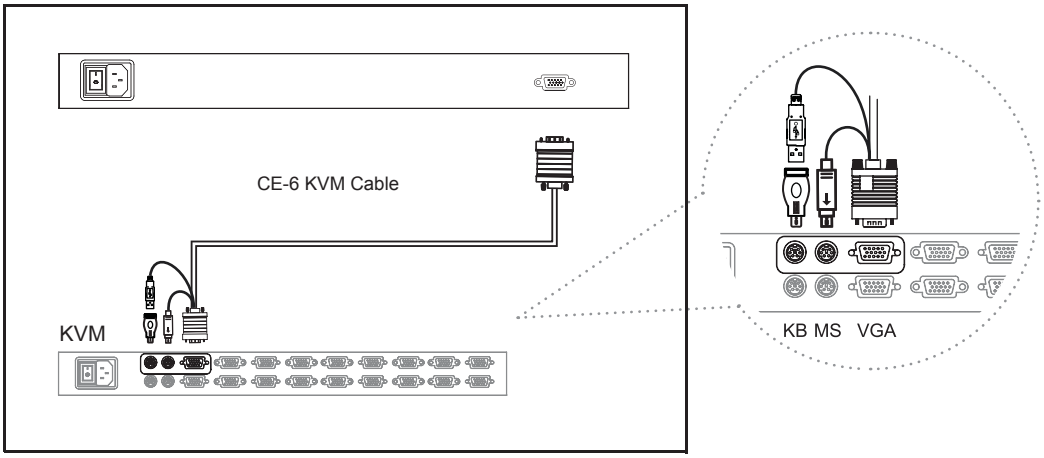



**Figure 10.** Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via PS/2 interface

**Remarks :**

- RKP-1415 / 1417 / 1419 series are external power versions.
- The above connection is only for the LCD keyboard without KVM switch built-in.
- For the LCD keyboard drawer with KVM switch built-in, please refer to attached KVM switch user manual.

**Caution :** The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

## 1.16 RKP Series (Single console)
### - Use CE-6 to connect to server via USB interface

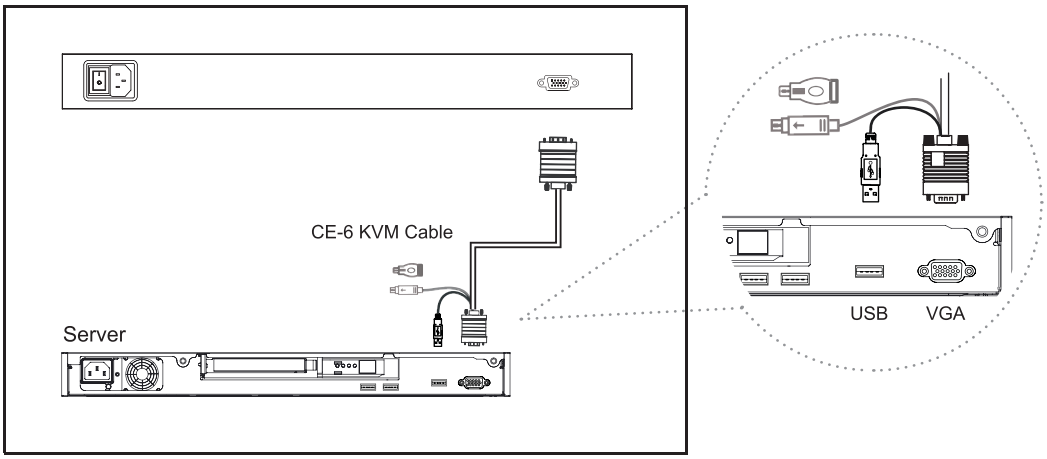



**Figure 11.** Example of connecting CE-6 4-in-1 Combo KVM cable to server via USB interface

## 1.17 RKP Series (Single console)
### - Use CE-6 to connect to KVM via USB interface

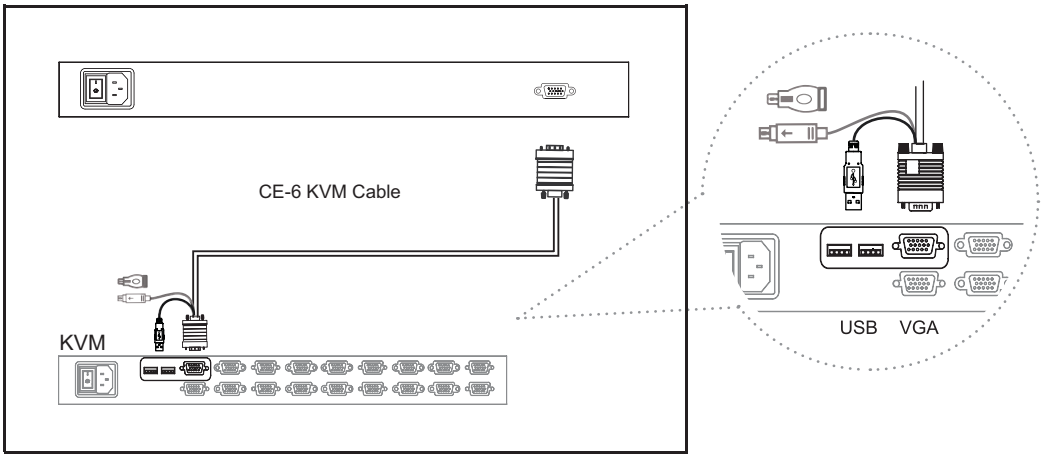



**Figure 12.** Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via USB interface

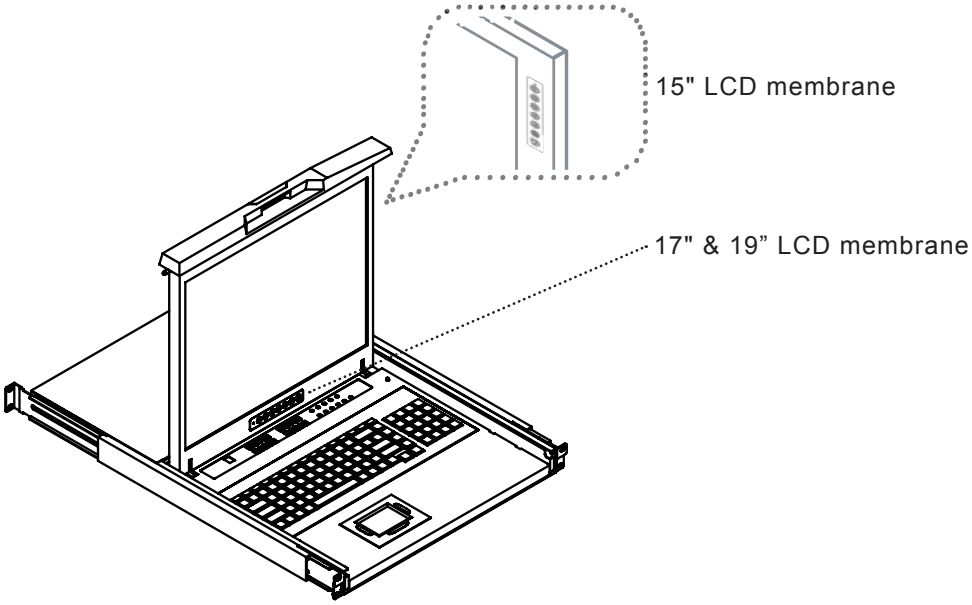
**Remarks :**

- RKP-1415 / 1417 / 1419 series are external power versions.
- The above connection is only for the LCD keyboard without KVM switch built-in.
- For the LCD keyboard drawer with KVM switch built-in, please refer to attached KVM switch user manual.

**Caution :** The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

## 2.1 On-screen Display Operation

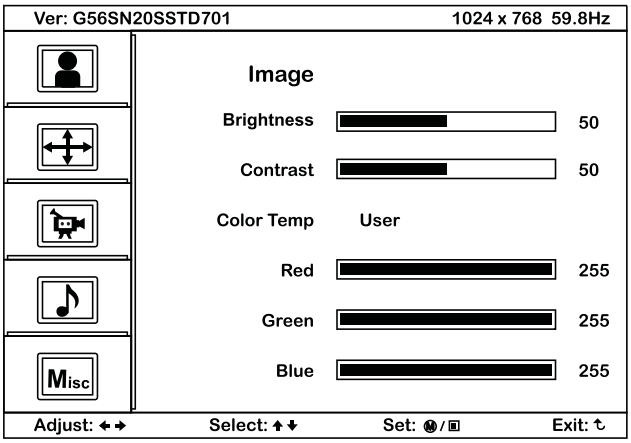
# Chapter 2



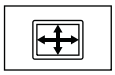

| Membrane Switch | Function |
|---|---|
| ○<br>●<br>● | Power light<br>Green = On<br>Orange = Power saving |
| ⏻ | Power on / off LCD |
| M | Display the OSD menu |
| ◈ ◈ ◈ ◈ | Scrolls through menu options and adjusts the displayed control<br>(To auto adjustment by pressing the button ◈ for 5 seconds) |
| ↩ | Exit the OSD screen<br>Toggle analog, digital & video connection (DVI-D and video options only) |

## 2.2 On-screen Menu

# Chapter 2




### OSD Configuration Page

| | |
|---|---|
| | **Image:**<br>To enter into the brightness, contrast, color temp, red, green, and blue |
|  | **Geometry:**<br>To enter into the auto adjust, H position, V position, phase and clock |
| | **Video:**<br>To enter into the colour, tint, sharpness, noise reduction, DCDi and TV Setup |
| | **Audio:**<br>To enter into volume, bass, treble, balance, AVL and mute |
| | **Misc:**<br>To enter into the language, OSD position, graphic mode, ratio, reset and timer |

## 3.1 Specifications

# Chapter 3

| Item | Description | | | | |
|---|---|---|---|---|---|
| **Form Factor** | 1U rack mounting on slide-out rails | | | | |
| **LCD Manufacturer** | - | SAMSUNG | | - | |
| **Series** | RKP | | | "S" | |
| **Diagonal Size** | 15" TFT | 17" TFT | 19" TFT | 17" TFT | 19" TFT |
| **Max. Resolution** | 1024 x 768 | 1280 x 1024 | 1280 x 1024 | 1152 x 900 (Direct)<br>1280 x 1024 (Native) | 1152 x 900 (Direct)<br>1280 x 1024 (Native) |
| **Brightness (cd/m²)** | 250 | 250 | 250 | 250 | 250 |
| **Color Support** | 16.2 M | 16.7 M | 16.7 M | 16.7 M | 16.7 M |
| **Contrast Ratio (typ.)** | 700:1 | 1000:1 | 1000:1 | 1000:1 | 1000:1 |
| **Viewing Angle (H/V)** | 160° x 130° | 160° x 160° | 160° x 160° | 160° x 160° | 160° x 160° |
| **Display Area (mm)** | 304 x 228 | 338 x 270 | 376 x 301 | 338 x 270 | 376 x 301 |
| **Tr Response Time (ms)** | 5.7 | 1.3 | 1.3 | 1.3 | 1.3 |
| **LCD Panel MTBF (hrs)** | 30,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| **VGA Signal Input** | Analog RGB, 0.7Vp-p | | | | |
| **Sync. Type** | Separate H/V, Composite, SOG | | | | |
| **Resolution** | 640 x 400, 70 Hz | - | | | |
| | 720 x 400, 70 Hz | | | | |
| | 640 x 480, 60/ 70/ 72/ 75 Hz | | | | |
| | 800 x 600, 60/ 70/ 72/ 75 Hz | | | | |
| | 1024 x 768, 60/ 70/ 72/ 75 Hz | 1024 x 768, 60/ 70/ 75 Hz | | | |
| | - | 1152 x 864, 60/ 70/ 75 Hz | | | |
| | - | 1280 x 720, 60/ 70/ 75 Hz | | 1280 x 720, 60/ 75 Hz | |
| | - | 1280 x 1024, 60/ 70/ 72/ 75 Hz | | 1280 x 1024, 60/ 70/ 75 Hz | |
| | - | | | 1152 x 900, 66 /76Hz | |
| **Plug & Play DDC** | EDID 1.3 | | | | |
| **Console Port (Combo)** | DB-15 connector for VGA / keyboard / mouse (Combo interface) | | | DB-15 connector for VGA / keyboard / mouse Support USB servers or Combo KVM switches | |
| **Power Input** | Auto-sensing 100 to 240VAC, 50 / 60Hz | | | | |
| **Power Consumption** | Max. 48 Watt, Standby 5 Watt | | | | |
| **Compatibility** | Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs. | | | | |
| **Regulation Approval** | FCC, CE | FCC, CE, UL* | FCC, CE | FCC, CE, UL* | FCC, CE |

* **Note:** RKP-117 / S-117 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved

### *Options*

| | | |
|---|---|---|
| **KVM Integration** | Matrix & combo KVM with IP console and 2-console selection | |
| **Keyboard & mouse** | Full size keyboard built-in touch-pad / trackball | SUN-compatible keyboard integrated with 3-button touchpad / trackball |
| **Graphic Input** | DVI-D, BNC & S-Video input | - |
| **DC Power** | DC power input with 12V, 24V, 48V selection | |
| **Touchscreen** | Resistive & capacitive | - |

### *Environmental*

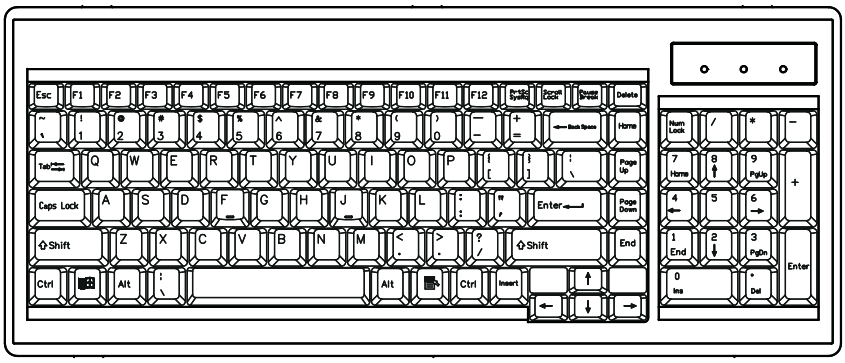
| | |
|---|---|
| **Operation** | 0° to 50°C Degree |
| **Storage** | -5° to 60 °C Degree |
| **Relative Humidity** | 5~90%, non-condensing |
| **Shock** | 10G acceleration (11ms duration) |
| **Vibration** | 5~500Hz 1G RMS random vibration |

## 3.2 Keyboard & Mouse

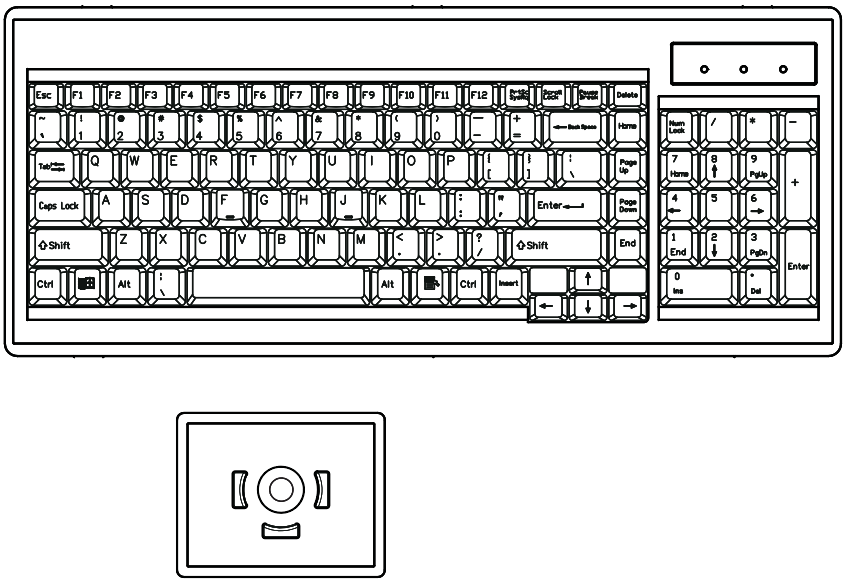
# Chapter 3

## For RKP-115 / 117 / 119 / 1415 / 1417 / 1419 series

Supporting layouts



**Ne** N keyboard integrated with touchpad



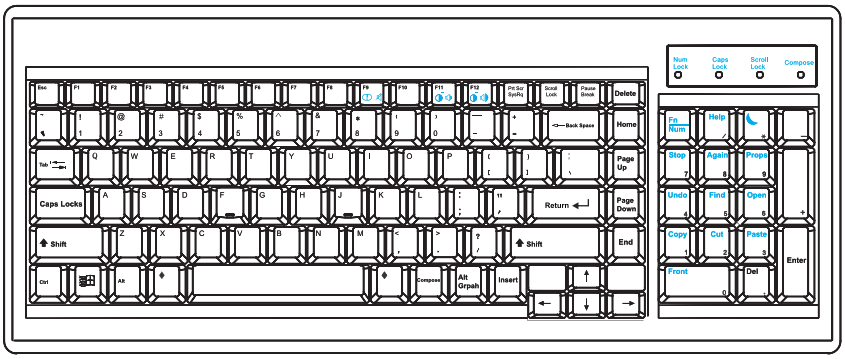
**Nb** N keyboard integrated with trackball

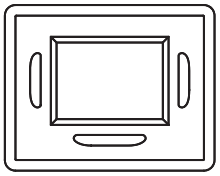
## 3.2 Keyboard & Mouse

## For S-117 / 119 series

Supporting layouts

NSe

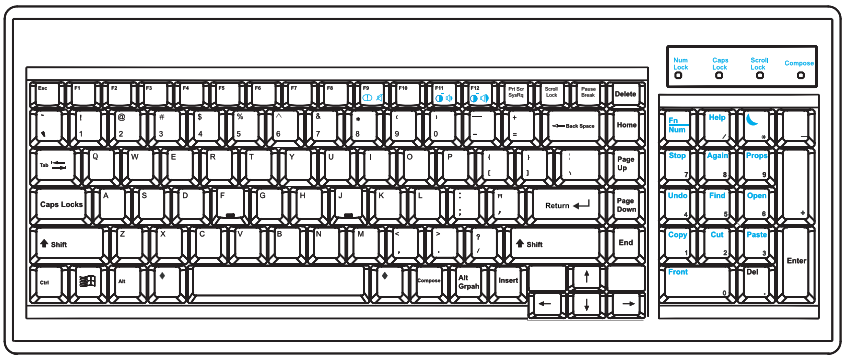


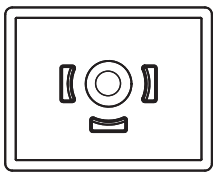


### NS keyboard integrated with touchpad

- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and SUN function
- USB interface

NSb





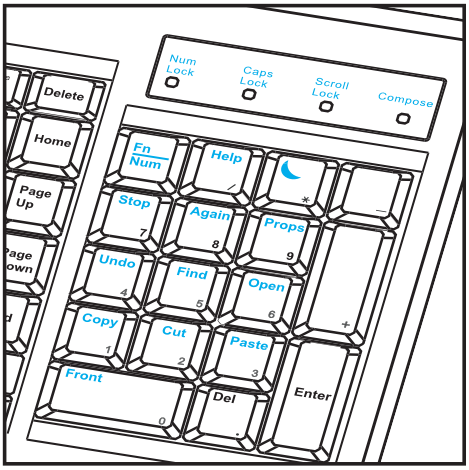
### NS keyboard integrated with trackball

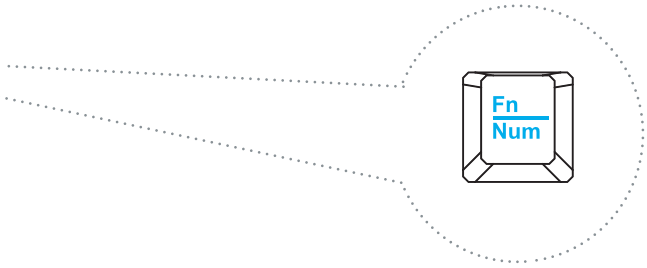
- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and SUN function
- USB interface

## 3.3 How to Use "NS" keyboard

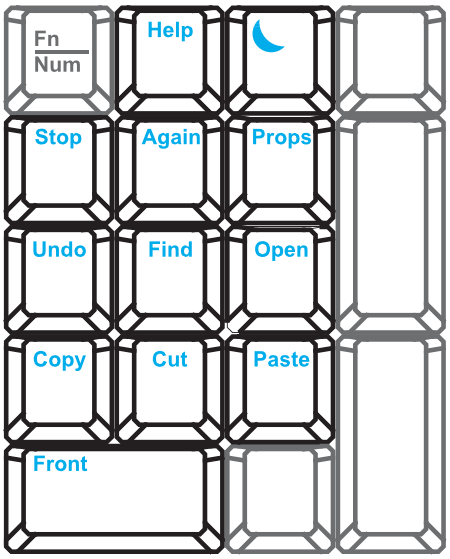


■ NS SUN-compatible keyboard incorporates SUN short-cut keys.

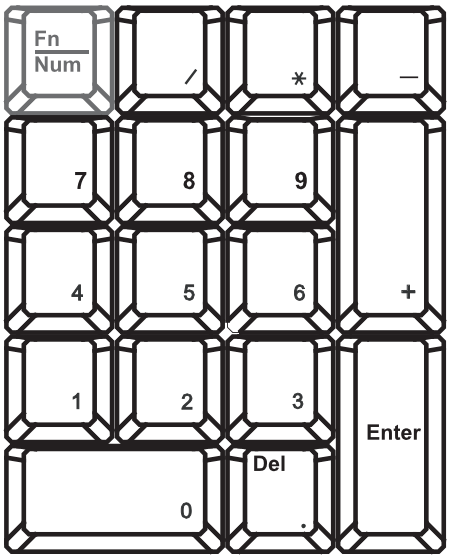



■ Press the Fn/Num button to switch the color the Num LED.




**Num LED in Off mode**
Key pad behaves as a SUN Solaris system administration command mode



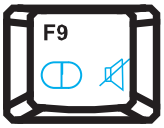

**Num LED in Green color**
Key pad behaves as a normal key pad mode

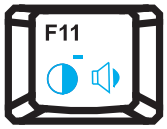
Three Audio / Display keys are located in the upper-right corner of the NS keyboard:

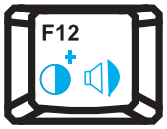
■ Audio : Mute, decrease in volume and increase in volume.

■ Display : Degauss, decrease contrast and increase contrast.

■ Please ask your supplier for full details



## 4.1 KVM Options

# Chapter 4

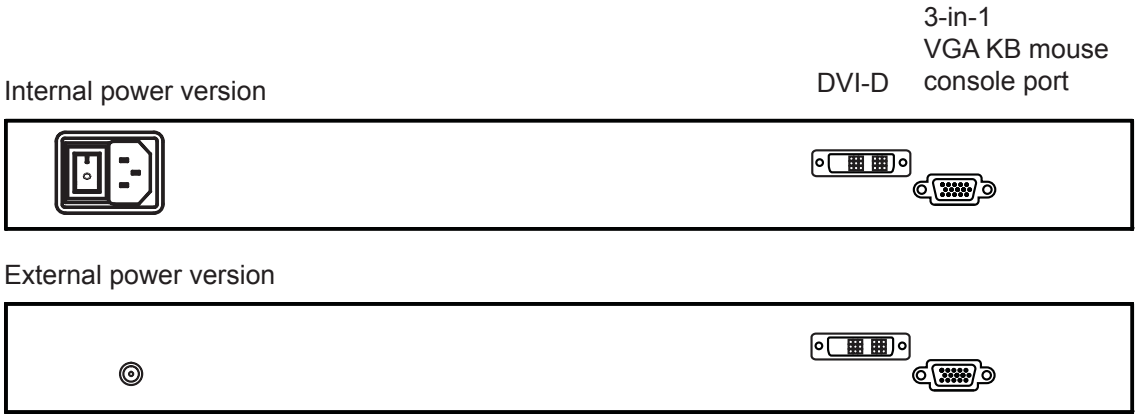
Our KVM is designed to seamlessly integrate into the rear of our full range of LCD drawer solutions:

- For KVM operation, please refer to KVM user manual
- Option with Multiple consoles Matrix KVM
- Option with high density & cost efficient Combo KVM integration with either 8 / 16 / 32 ports
- Option with low cost PS/2 KVM
- Please ask your supplier for full KVM details

**Remarks**

- "S" series is for Matrix & Combo KVM only.

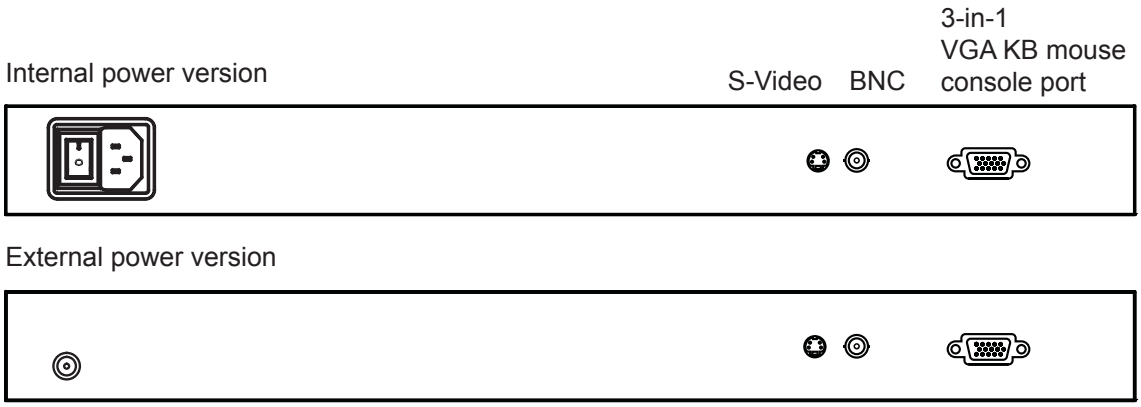
## 4.2 DVI-D Option




**Remarks :**

- Package includes 1 x 6ft DVI-D cable
- The depth of RKP-1415 / 1417 will be extended from 480mm ( 18.9 " ) to 530mm ( 20.9" )

## 4.3 BNC + S-Video Option

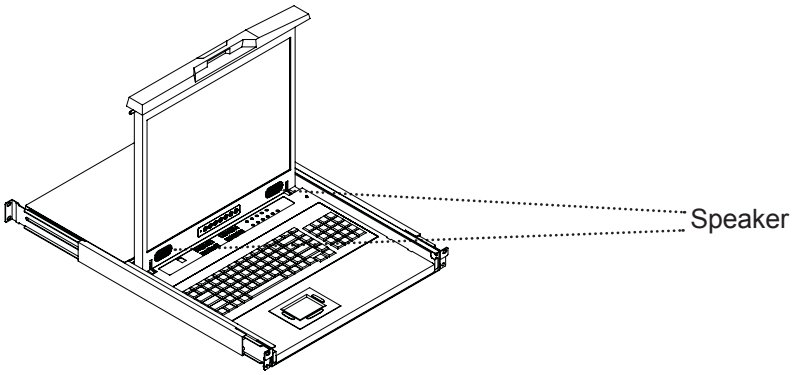


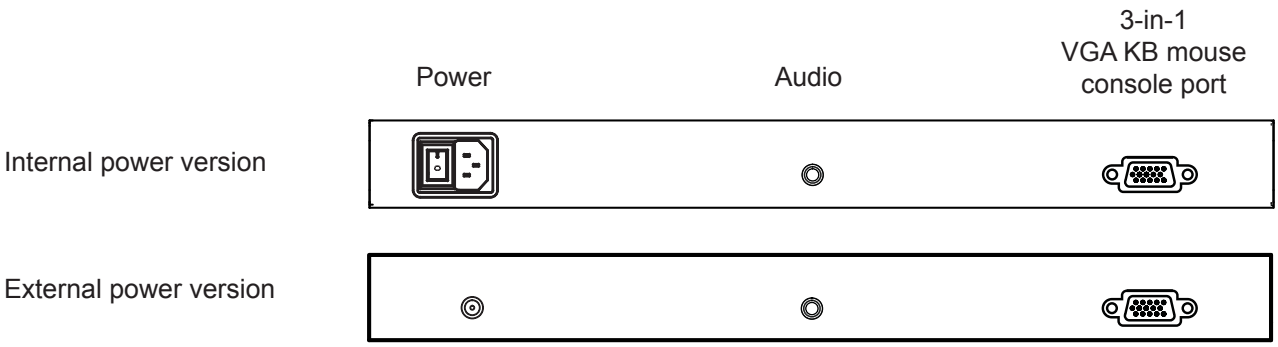

**Remarks :**

- Package includes 1 x 6ft S-Video cable

## 4.4 Audio Option



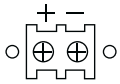



Remarks

- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

## 4.5 DC Power Options



| Model | 12V | 24V | 48V |
|---|---|---|---|
| **Input rating** | | | |
| Input voltage: | 12-Volt | 24-Volt | 48-Volt |
| Input range: | 9 ~ 18V | 18 ~ 36V | 36 ~ 75V |
| Input current | | | |
| - No load | 50 mA | 50 mA | 50 mA |
| - Full load | 4950 mA | 2450 mA | 1220 mA |
| **Output rating** | | | |
| Output voltage: | 12-Volt | 12-Volt | 12-Volt |
| Output current: | 4.16A | 4.16A | 4.16A |
| **Efficiency** | 84% | 85% | 85% |

**Remarks :**

- Package does not include 1 x power cord and 1 x AC power adapter
- The depth of RKP-1415 / 1417 will be extended from 480mm ( 18.9" ) to 530mm ( 20.9" )

## 4.6 Touchscreen Options

### e-Resistive

| Model | -15TRB / -15TRS | -17TRB / -17TRS | -19TRB / -19TRS |
|---|---|---|---|
| **Screen size** | 15" | 17" | 19" |
| **Interface** | USB / serial | | |
| **Optical transmittance** | 80% ± 3% | | |
| **Surface hardness** | ≥3H (JIS K5400) | | |
| **Operating system** | Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux | | |

### e-Capacitive

| Model | -15TCB / -15TCS | -17TCB / -17TCS | -19TCB / -19TCS |
|---|---|---|---|
| **Screen size** | 15" | 17" | 19" |
| **Interface** | USB / serial | | |
| **Optical transmittance** | 93% ± 2% | | |
| **Surface hardness** | >9H Surface hardness, withstand over 300 million touches | | |
| **Operating system** | Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux | | |

**Remarks**

- The height of RKP-117 / 119 / 1417 / 1419 will be increased from 1U to 1.5U
- USB touchscreen package includes 1 x 6ft USB cable, quick reference guideline and CD disc
- Serial touchscreen package includes 1 x 6ft serial cable, quick reference guideline and CD disc
- For detailed information, please refer to the attached CD disc
- As the touchscreen unit is not made of toughened glass, please handle it carefully
- Touchscreen in other brands are available on request

## 5.1 Troubleshooting

# Chapter 5

### 1. Is interference signal appeared on LCD normal when shutting down the computer ?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

### 2. The membrane power light is not ON

Press the power On / Off on LCD membrane to check if the monitor is in the ON mode.
Check the power cord is properly connected to the LCD keyboard drawer and power outlet.

### 3. Screen image is not centered or sized properly

Press the button for two seconds to automatically adjust the image.
Adjust the H-position and V-position settings via On-screen menu.

### 4. Is the LCD keyboard drawer hot-pluggable ?

The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVMs, may not be hot-pluggable. We suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard receives power.

## For RKP series

### 1. How do I adjust the resolution?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

## For “S” series

### 1. How can I adjust the monitor resolution to 1152 x 900 for SUN Micro system ?

The NS solution LCD keyboard drawer will automatically detect the 1152 x 900 resolution, so no user configuration should be necessary.

### 2. How do I adjust the resolution in MS Windows operation system?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

### 3. The Stop-A hot key is not work in Trusted Solaris

The keyboard combination Stop-A (L1-A) is not available in Trusted Solaris by default. The security administrator can change this.

### 4. Is interference signal appeared on LCD normal when shutting down the computer ?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

## 6.1 Dimensions

# Chapter 6

| Model | Product Dimension (W x D x H) | Packing Dimension (W x D x H) | Net Weight | Gross Weight |
|---|---|---|---|---|
| **RKP-115 series** | 442 x 650 x 44 mm<br>17.4 x 25.6 x 1.73" | 589 x 856 x 168 mm<br>23.2 x 33.7 x 6.6" | 15 kg<br>33 lb | 21 kg<br>46 lb |
| **RKP-117 series** | 442 x 650 x 44 mm<br>17.4 x 25.6 x 1.73" | 589 x 856 x 168 mm<br>23.2 x 33.7 x 6.6" | 15 kg<br>33 lb | 21 kg<br>46 lb |
| **RKP-119 series** | 442 x 650 x 44 mm<br>17.4 x 25.6 x 1.73" | 589 x 856 x 168 mm<br>23.2 x 33.7 x 6.6” | 17 kg<br>37 lb | 23 kg<br>51 lb |
| **S-117 series** | 442 x 650 x 44 mm<br>17.4 x 25.6 x 1.73" | 589 x 856 x 168 mm<br>23.2 x 33.7 x 6.6” | 16 kg<br>35 lb | 22 kg<br>48 lb |
| **S-119 series** | 442 x 650 x 44 mm<br>17.4 x 25.6 x 1.73" | 589 x 856 x 168 mm<br>23.2 x 33.7 x 6.6” | 17 kg<br>37 lb | 23 kg<br>51 lb |
| **RKP-1415 series** | 442 x 480 x 44 mm<br>17.4 x 18.9 x 1.73" | 581 x 705 x 175 mm<br>22.9 x 27.8 x 6.9" | 15 kg<br>33 lb | 21 kg<br>46 lb |
| **RKP-1417 series** | 442 x 480 x 44 mm<br>17.4 x 18.9 x 1.73" | 581 x 705 x 175 mm<br>22.9 x 27.8 x 6.9” | 16 kg<br>35 lb | 22 kg<br>48 lb |
| **RKP-1419 series** | 442 x 480 x 44 mm<br>17.4 x 18.9 x 1.73” | 581 x 705 x 175 mm<br>22.9 x 27.8 x 6.9” | 17 kg<br>37 lb | 23 kg<br>51 lb |



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